While the current database is fully operational and serves its intended purpose, there are a few flaws in its design that limit the overall functionality. To remedy these issues, I will be creating additional tables and enforcing indexing between the tables. Currently, the epiccourses table houses all data pertaining to courses such as the prefix, number, section, semester, and year. This creates the opportunity for redundancies within the table. Since courses can be offered in multiple semesters and at multiple campuses, I will create a coursedetail table designed to hold details about each course such as the campus, semester, and year. This creates a complete record of each course when used in conjunction with the courses table, which contains the course prefix and course number. Additionally, since there may be instances in which the same course section is taught by more than one professor, utilizing an instructor table to hold details such as first name and last name and a coursedetailinstructor table will further normalize the relationships between a course and its instructors to prevent many-to-many relationships from occurring within the database.

A screenshot of a computer

Description automatically generated